July 8, 2008

MARVELL®

Captain Richard J. Duncan, USMC
Joint Interoperability Test Command
Fort Huachuca, Arizona

Subject: Marvell's ROS-7.47 IPv6 DoD Compliance

Captain Duncan,

Marvell has reviewed the DoD IPv6 Standard Profiles for IPv6 Capable Products Version 2.0, 01 August 2007, and used it as the basis for this Letter of Compliance.

ROS Software package is a SW package used by end-customers of Marvell, building Managed Layer2 switches with Prestera-DX Silicon switch.

All such Managed layer2 Switches share the same architecture, and inherit the capabilities of ROS SW package, along with the switching capabilities of the Prestera-DX Silicon family. With this regard, these Managed Layer2 switch products obtain same IPv6 capabilities, and consequently need to be tested only once.

Marvell's Software package, ROS-7.47, along with Prestera-DX family, is in compliance with the list of RFCs as listed below, based on Network Appliance class of product.

Base requirement:
RFC 2460 - Internet Protocol v6 (IPv6) Specification
RFC 5095 - Deprecation of Type 0 Routing Header
RFC 4861 - Neighbor Discovery for IPv6
RFC 2462 - IPv6 Stateless Address Auto-configuration
RFC 4443 -Internet Control Message Protocol (ICMPv6)
RFC 1981 - Path MTU Discovery for IPv6
RFC 4007- IPv6 Scoped Address Architecture
RFC 4193- Unique Local IPv6 Unicast Addresses
RFC 4291- IP Version 6 Addressing Architecture

Transition Mechanism
RFC 4213 (section 2) - Transition Mechanisms for Hosts and Routers: Dual Stack

Multicast
RFC 2710 - Multicast listener Discovery (MLD) for IPv6

Connection Technologies (a single Technology is sufficient)
RFC 2464 - Transmission of IPv6 over Ethernet networks

Network Management
RFC 3411- Architecture for Describing SNMPv3
RFC 3412 – Message Processing and Dispatching for SNMP
RFC 3413 – SNMP Applications

Best regards,

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